APPENDIX O: Nomenclature

AEMC	Advanced Environmental Monitoring and Control
AEVA	Advanced Extravehicular Activity
AHST	Advanced Human Support Technology
ALS	Advanced Life Support
BRC	Biomedical Research and Countermeasures
CO_2	Carbon Dioxide
CSA	Canadian Space Agency
CSC	Commercial Space Center
DARPA	Defense Advanced Research Projects Agency
ECLSS	Environmental Control and Life Support System
EMC	Environmental Monitoring and Control
EMCS	European Modular Cultivation System
ERTD	Engineering Research and Technology Development
ESA	European Space Agency
EVA	Extravehicular Activity
FSB	Fundamental Space Biology
FY	Fiscal Year
GNP	Gross National Product
GPS	Global Positioning System
HF	Human Factors
HZE	High Energy
IMCE	International Space Station Management and Cost Evaluation
IOM	Institute of Medicine
IP	International Partners
ISS	International Space Station
LEO	Low Earth Orbit
MSFC	Marshall Space Flight Center
NAC	NASA Advisory Council
NAPA	National Academy of Public Administration
NASA	National Aeronautics and Space Administration
NASDA	National Space Development Agency of Japan
NCI	National Cancer Institute
NIH	National Institute of Health
NRC	National Research Council
NSF	National Science Foundation
OBPR	Office of Biological and Physical Research, NASA
OMB	Office of Management and Budget
OSTP	Office of Science and Technology Policy
R&D	Research and Development
R&TD	Research and Technology Development
ReMAP	Research Maximization and Prioritization
SHFE	Space Human Factors Engineering
STS	Space Transportation System
TRL	Technology Readiness Level
XCF	X-ray Crystallography Facility

ISS Configurations

US Core Complete
The configuration of the ISS includes the US Lab (12 research racks) and assembly through Node 2. It does not include the European Laboratory Module, the Japanese Experiment Module, nor the Centrifuge Accommodations Module. This configuration is established in 2004. This configuration assumes that the available crew time for all research is 20 hours per week (based on a permanent crew of three).

US + IP Core Complete
The configuration of the ISS following assembly of the Centrifuge Accommodations Module (4 US racks); includes the European Laboratory Module (5 US racks) and the Japanese Experiment Module (5 US racks). This configuration is established in 2007/2008. This configuration assumes that the available crew time for all research is 20 hours per week (based on a permanent crew of three).

Enhanced
The configuration of the ISS following addition of crew support systems which will allow an increase in the crew size. This configuration assumes that the available crew time for all research is 160 hours per week (based on a permanent crew of six).